

FIG. 1

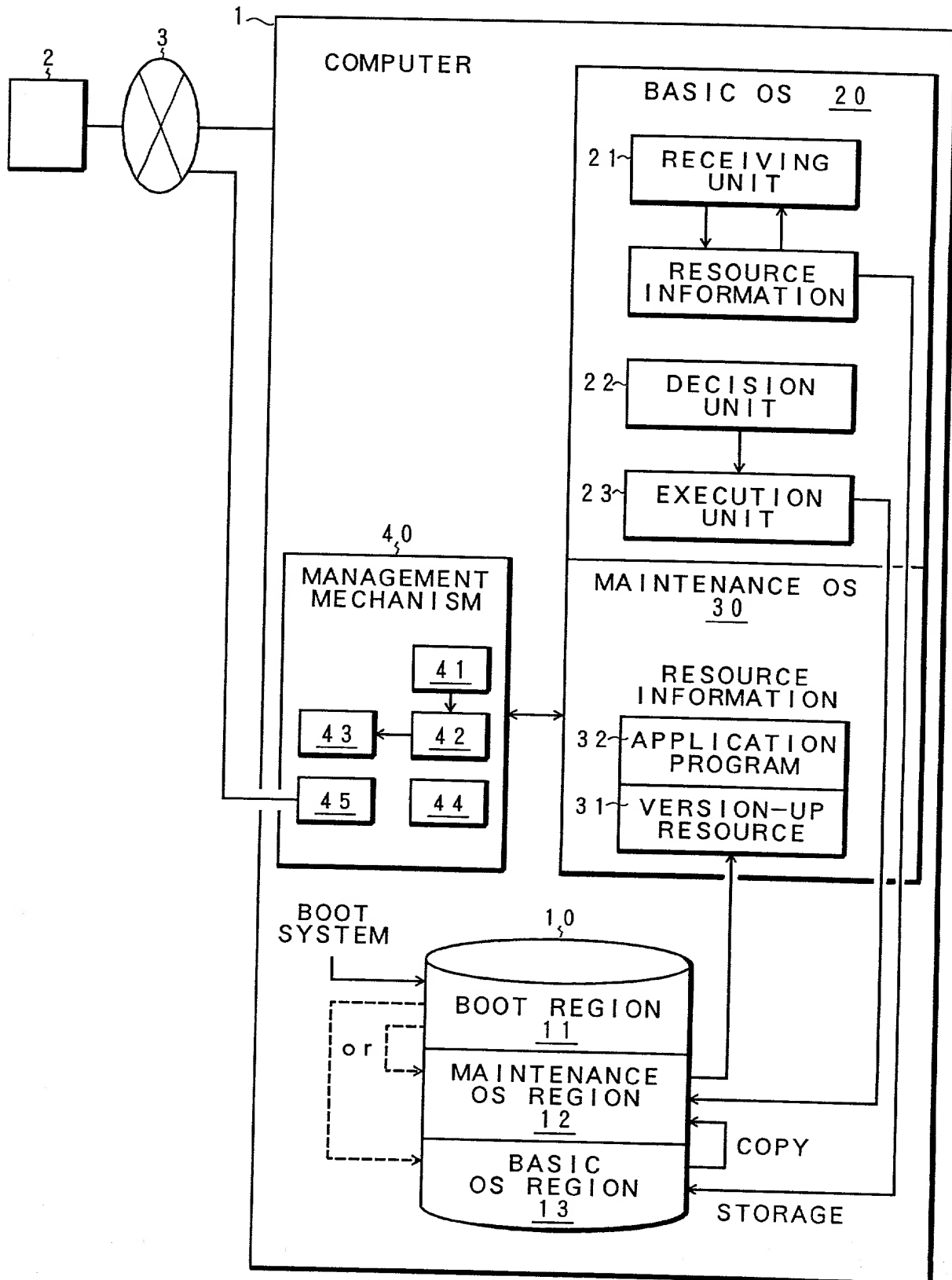


FIG. 2A

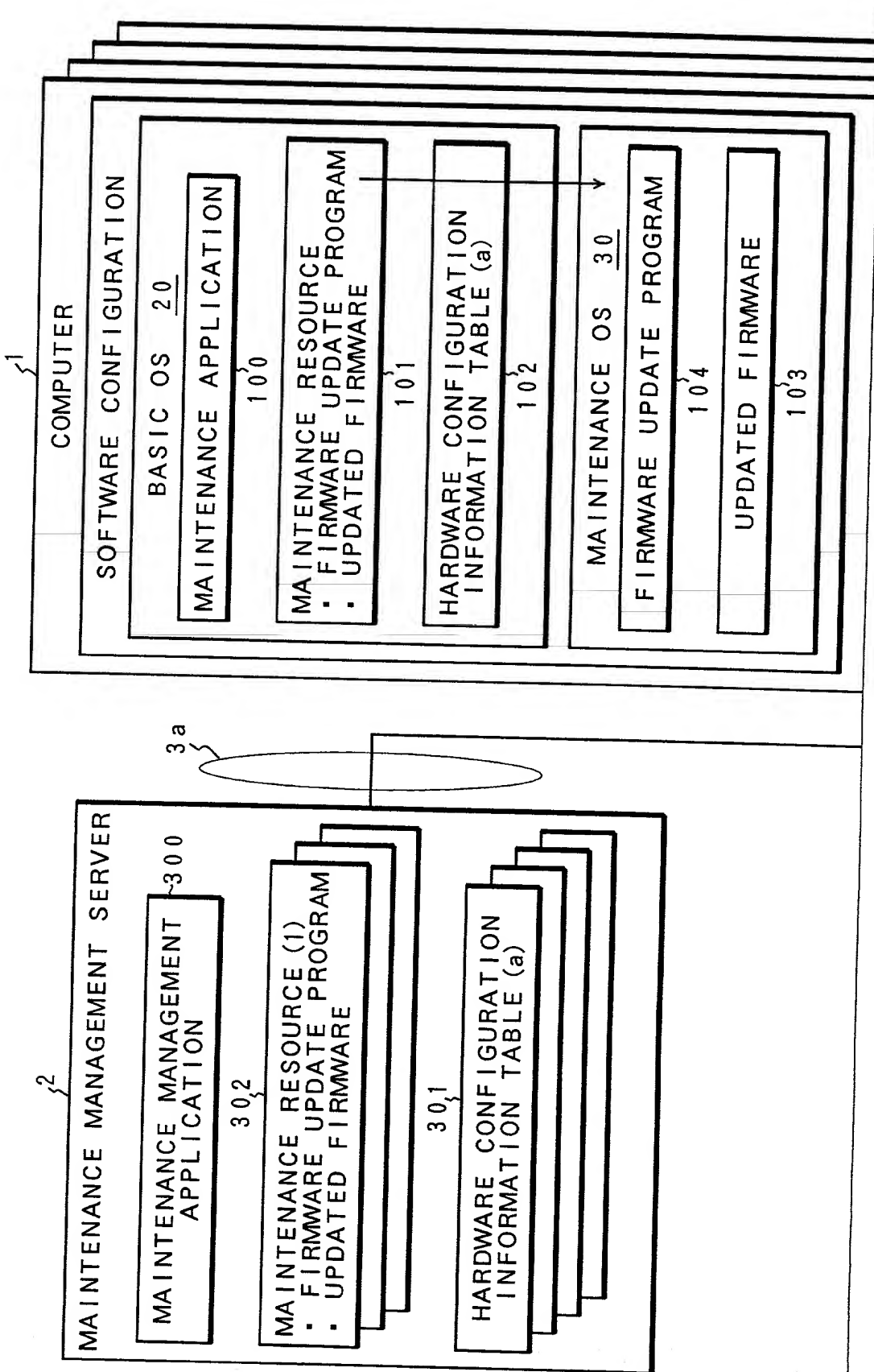




FIG. 2B

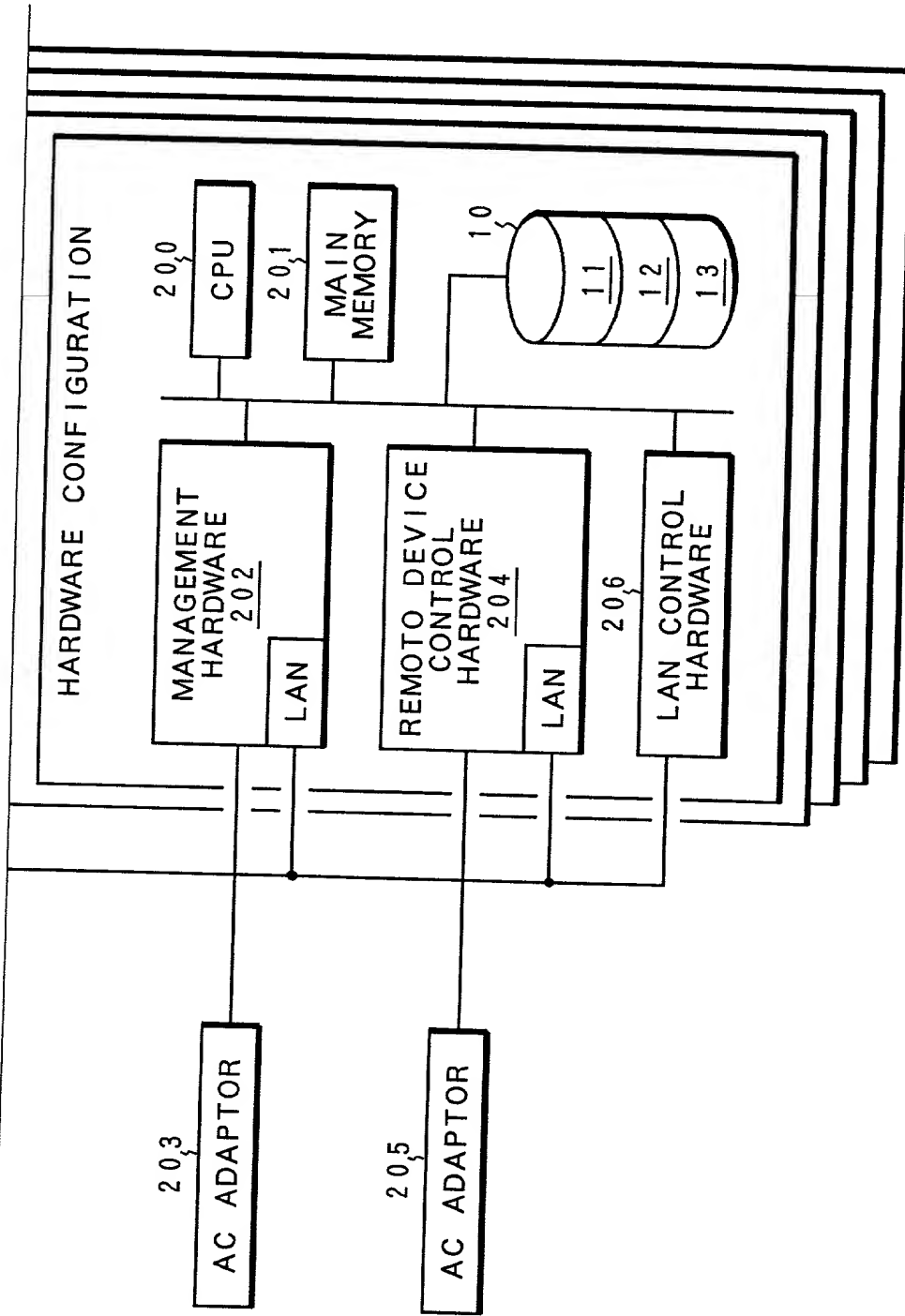


FIG. 3A

BOOT SECTOR (512 BYTE)
FILE ALLOCATION TABLE 1
FILE ALLOCATION TABLE 2
ROOT DIRECTORY
MAINTENANCE OS REGION
BASIC OS REGION

FIG. 3B

0x000	JMP INSTRUCTION
0x003	OEM IDENTIFICATION FIELD
0x00B	BIOS PARAMETER BLOCK
0x03C	BOOT STRAP LOADER
0x1BE	PARTITION TABLE
0x1FE	BOOT CERTIFICATION WORD (0xAA55)

FIG. 3C

	+0	+1	+2	+3	+4	+5	+6	+7	+8~+11	+12~+15
0x1BE	BI	H	S	C	SI	H	S	C	SP	N
0x1CE	BI	H	S	C	SI	H	S	C	SP	N
0x1DE	BI	H	S	C	SI	H	S	C	SP	N
0x1EE	BI	H	S	C	SI	H	S	C	SP	N

FIG. 4

OFFSET	SIZE	SIGN	CONTENTS
+0	1 BYTE	BI	BOOT INDICATOR 0x80 : ACTIVE PARTITION
+1~+3	3 BYTE	H/S/C	HEAD NUMBER/SECTOR NUMBER/CYLINDER NUMBER OF START POINT
+4	1 BYTE	SI	SYSTEM INDICATOR
+5~+7	3 BYTE	H/S/C	HEAD NUMBER/SECTOR NUMBER/CYLINDER NUMBER OF END POINT
+8~+11	4 BYTE	SP	THE NUMBER OF PREVIOUS PARTITION SECTORS
+12~+15	4 BYTE	N	THE NUMBER OF SELF-PARTITION SECTORS

FIG. 5A

	+0 BI	+1~+3 H/S/C	+4 SI	+5~+7 H/S/C	+8~+11 SP	+12~+15 N
0x1BE	0x00	0xxxxxxx	0x00	0xxxxxxx	0xxxxxxx	0xxxxxxx
0x1CE	0x80	0xxxxxxx	0x00	0xxxxxxx	0xxxxxxx	0xxxxxxx

FIG. 5B

	+0 BI	+1~+3 H/S/C	+4 SI	+5~+7 H/S/C	+8~+11 SP	+12~+15 N
0x1BE	0x80	0xxxxxxx	0x00	0xxxxxxx	0xxxxxxx	0xxxxxxx
0x1CE	0x00	0xxxxxxx	0x00	0xxxxxxx	0xxxxxxx	0xxxxxxx

FIG. 6A

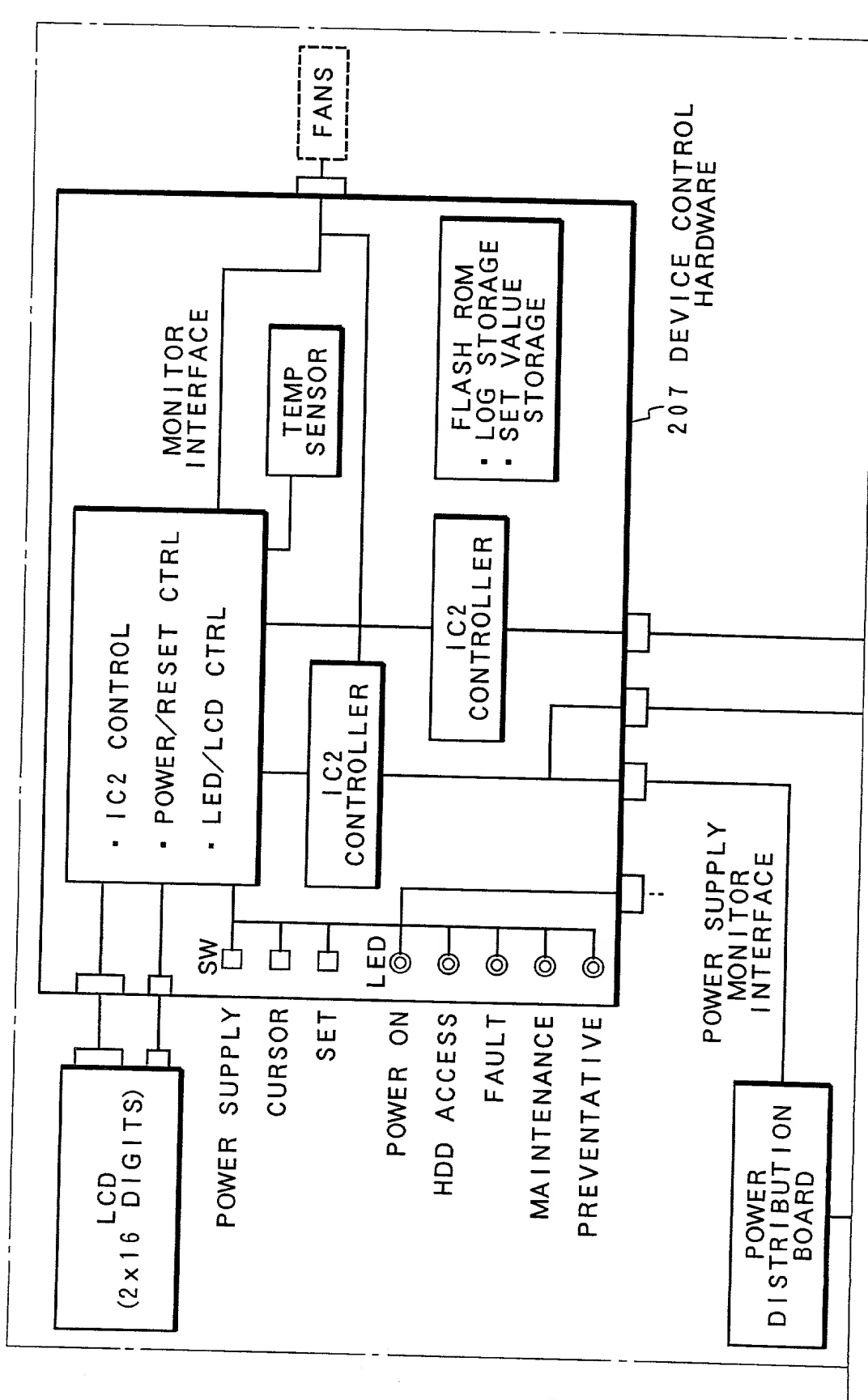


FIG. 6B

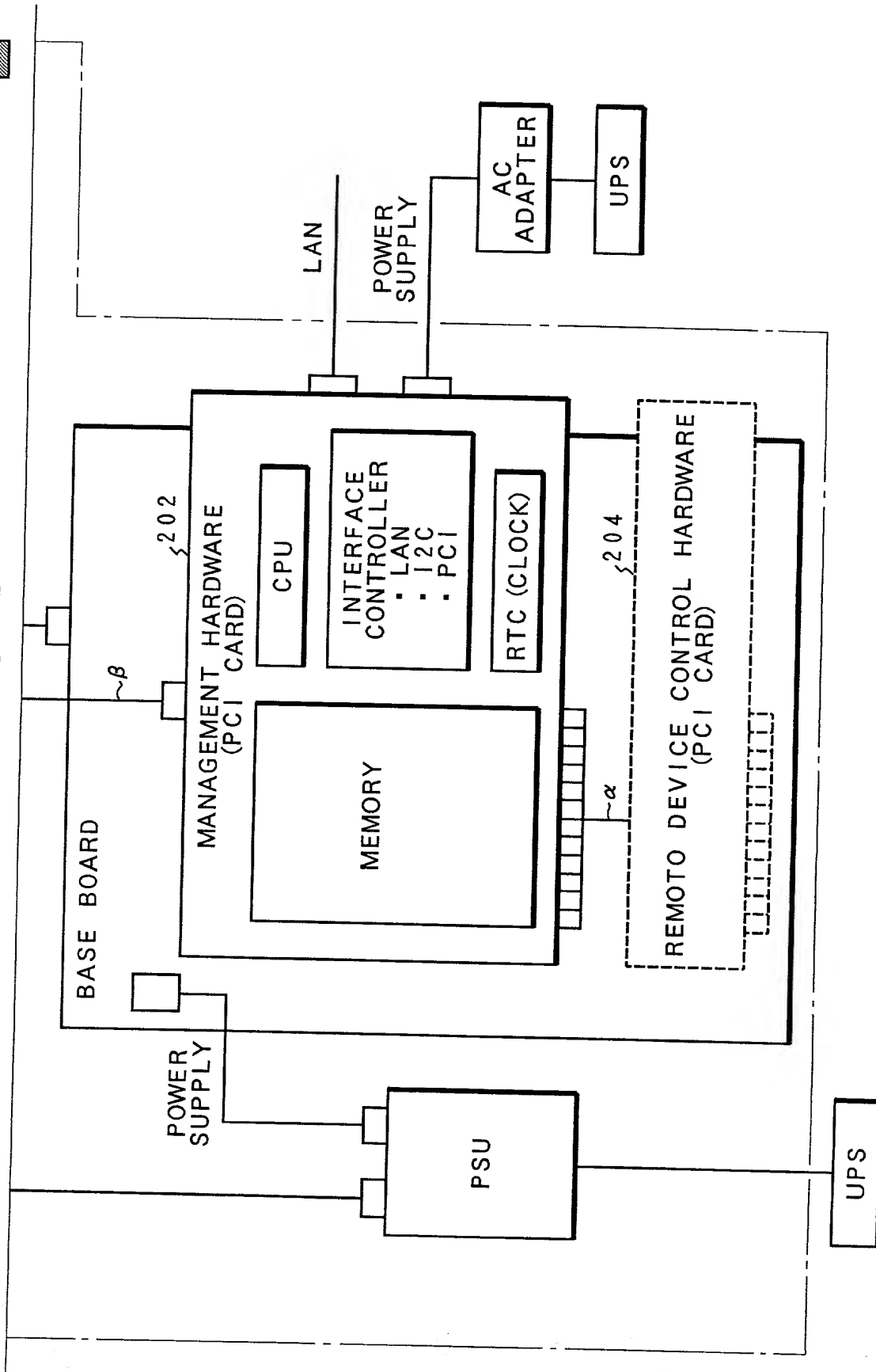


FIG. 7

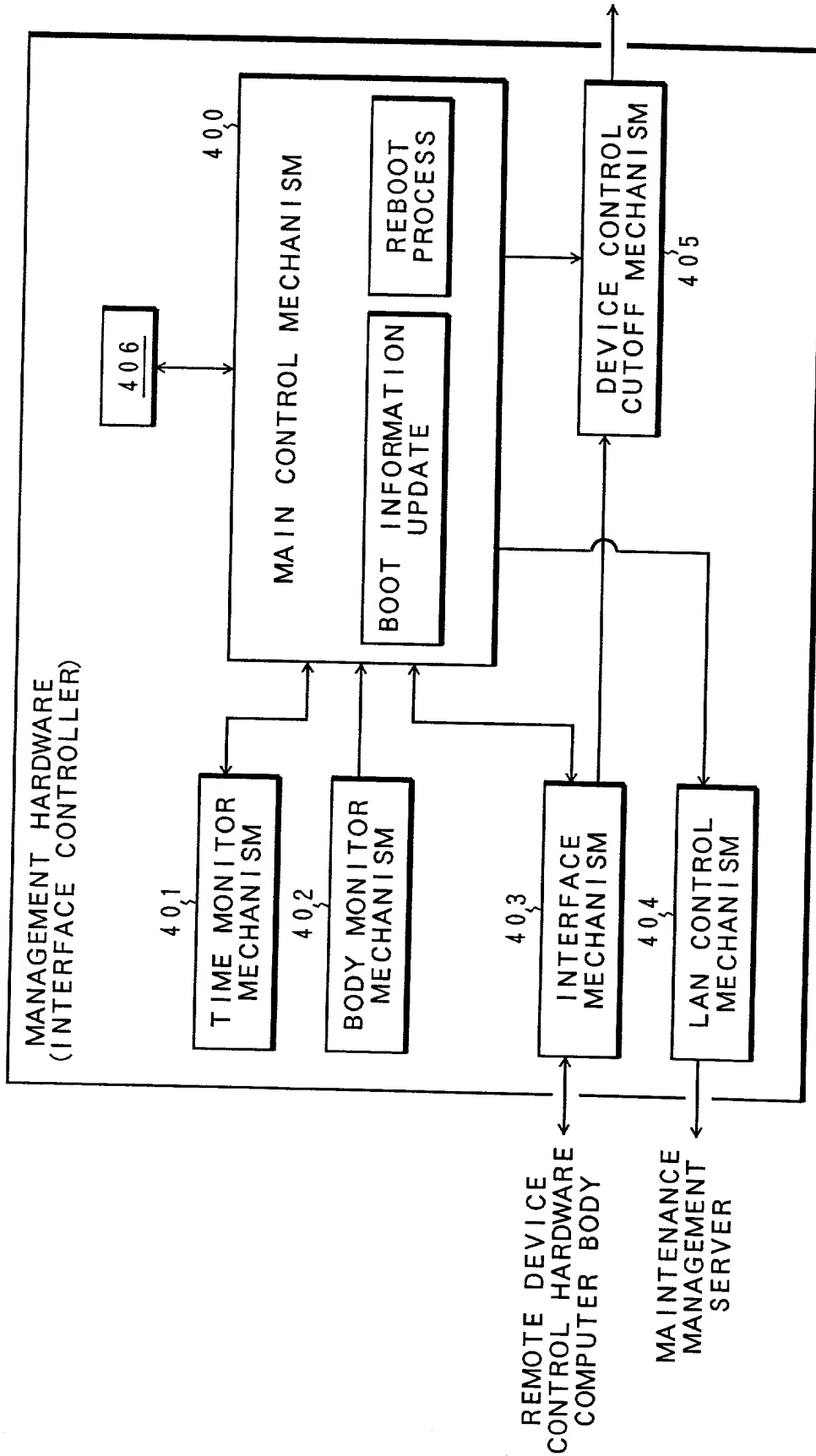
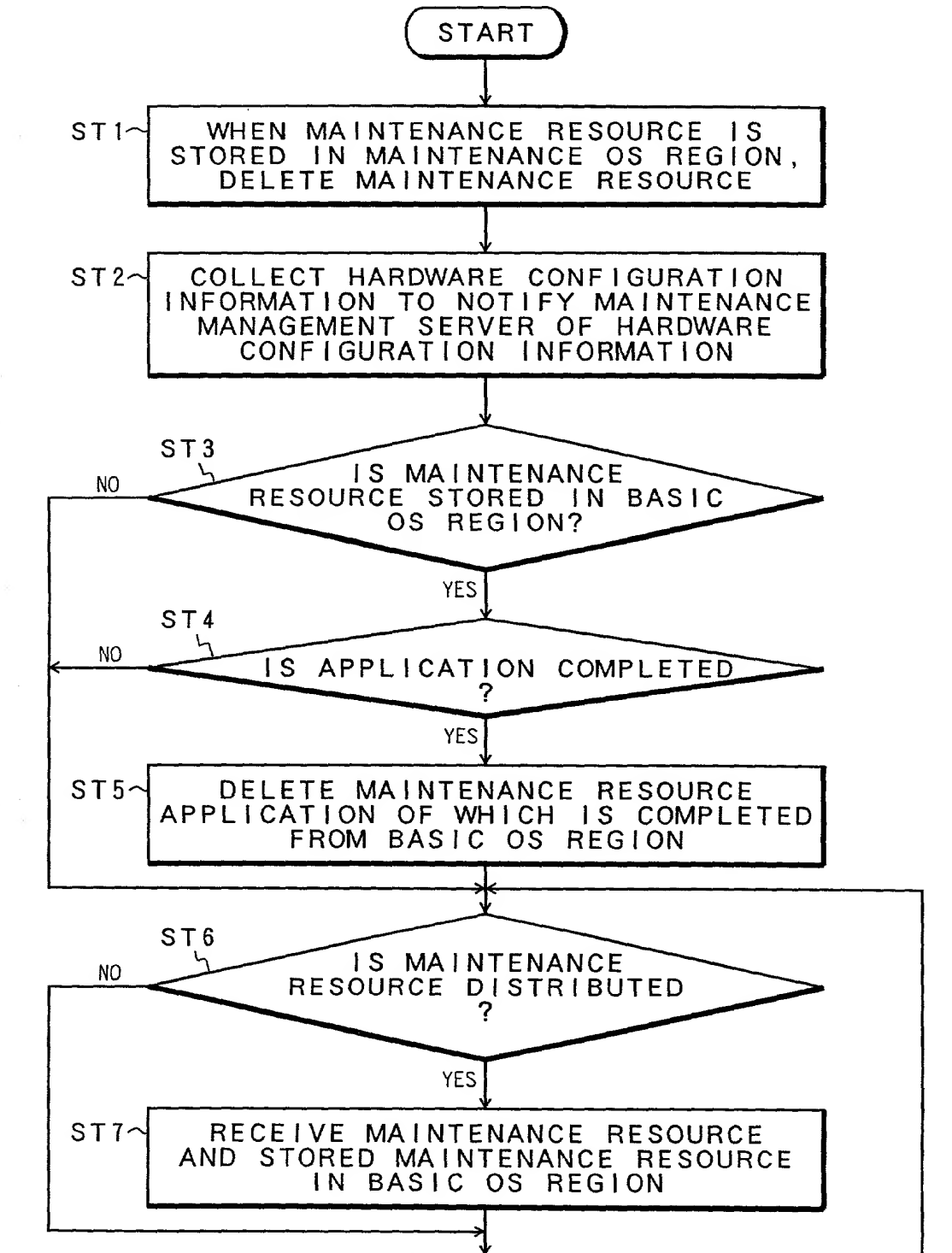


FIG. 8A



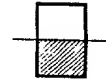
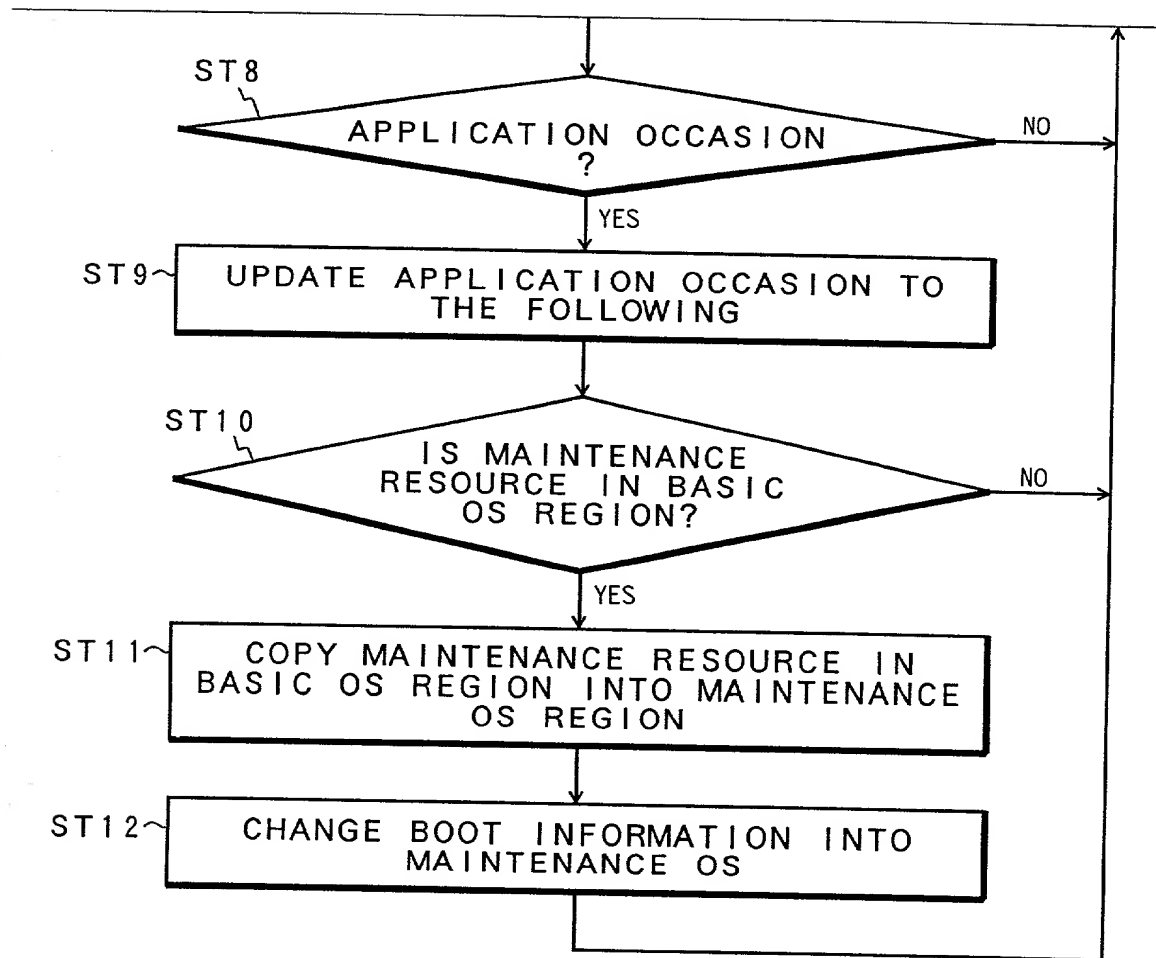


FIG. 8B



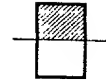
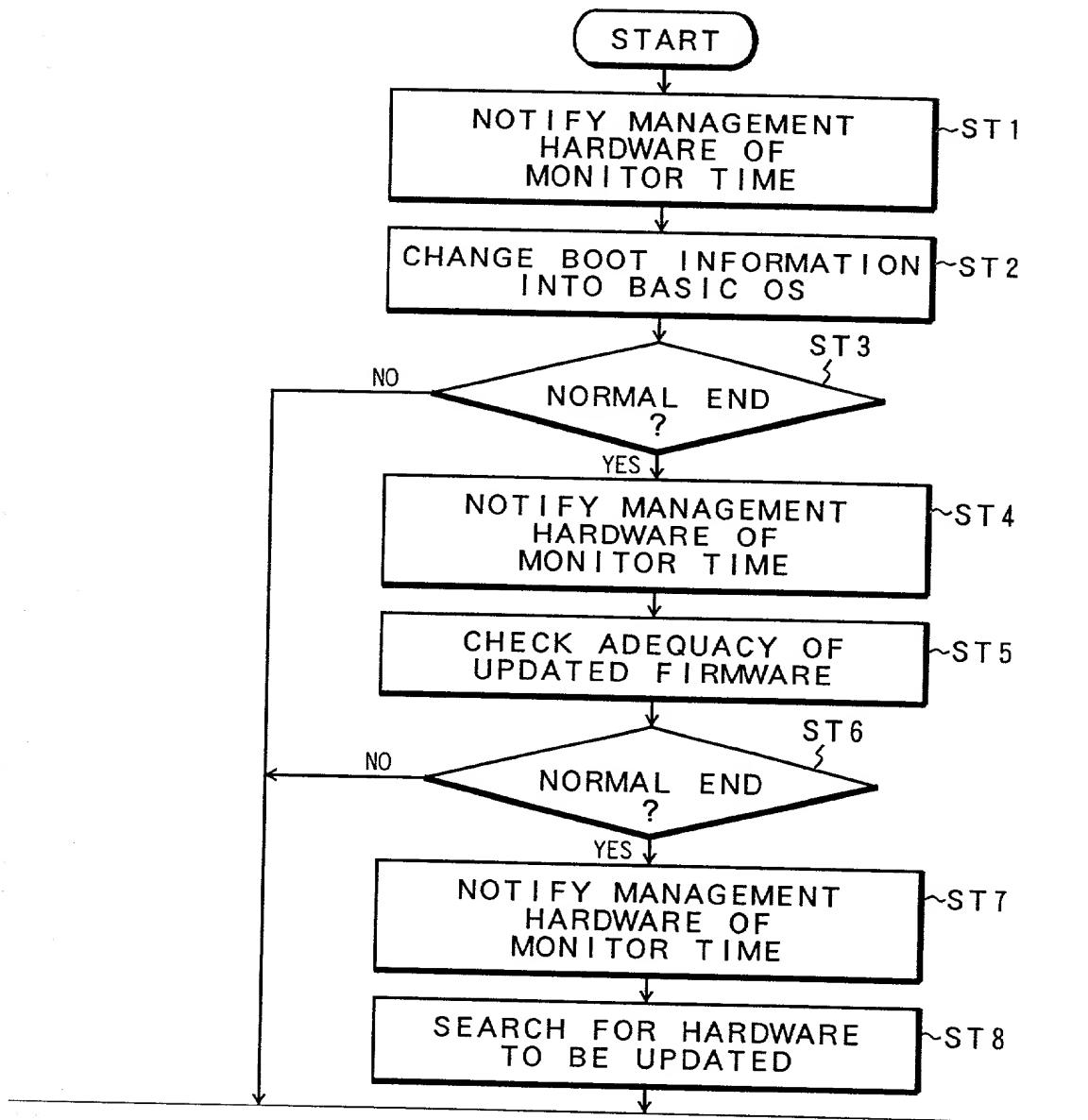


FIG. 9A



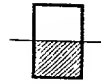
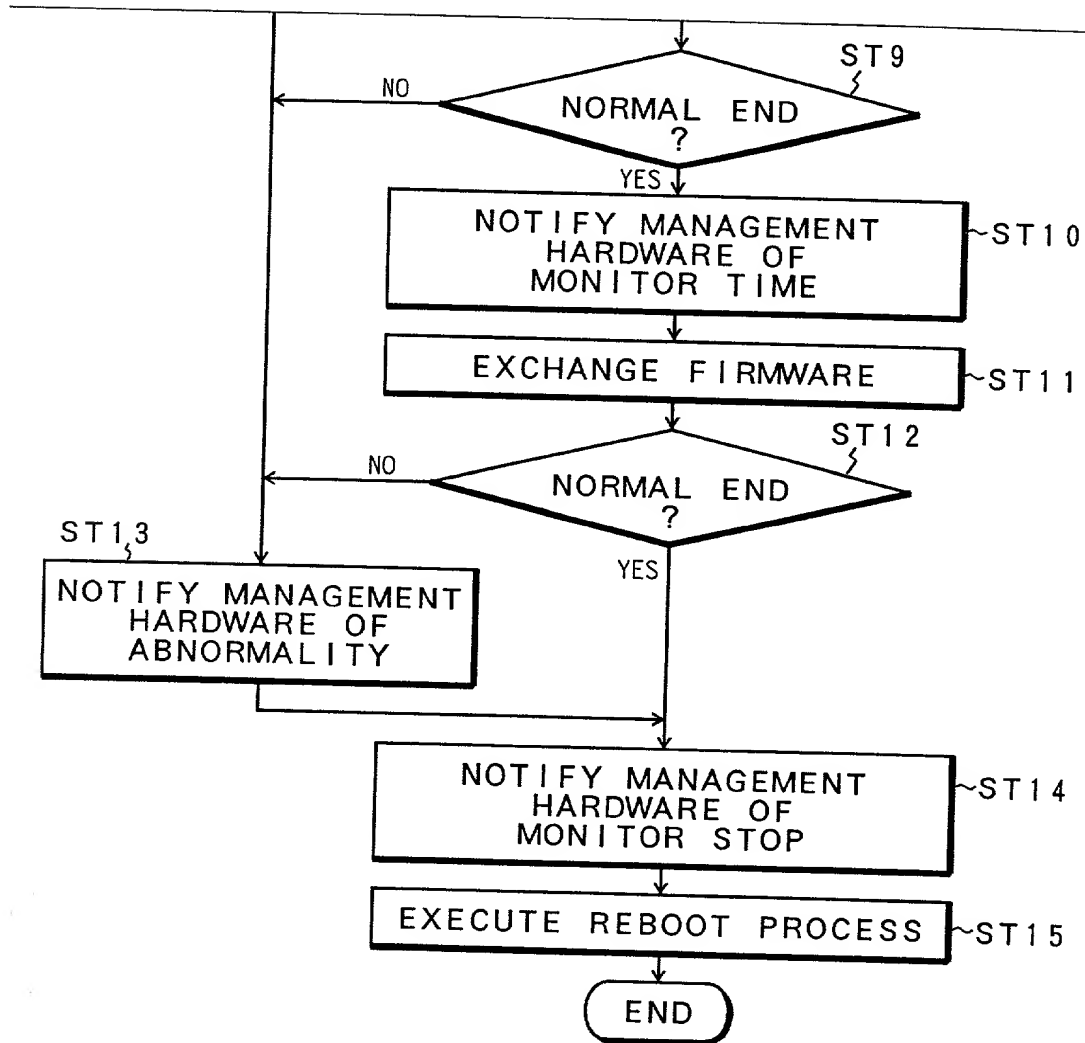


FIG. 9B



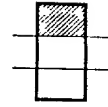
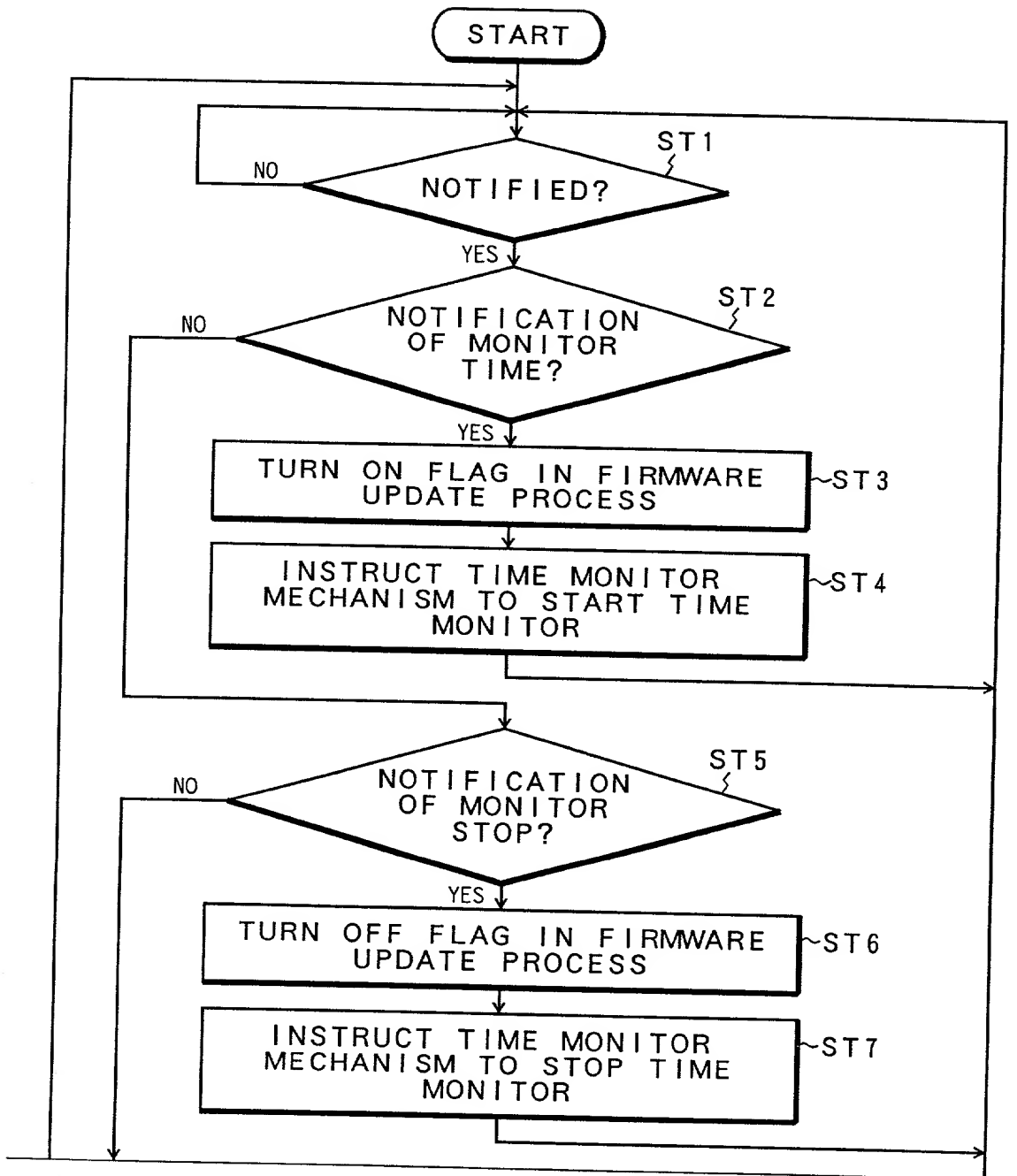


FIG. 10A



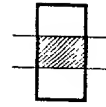
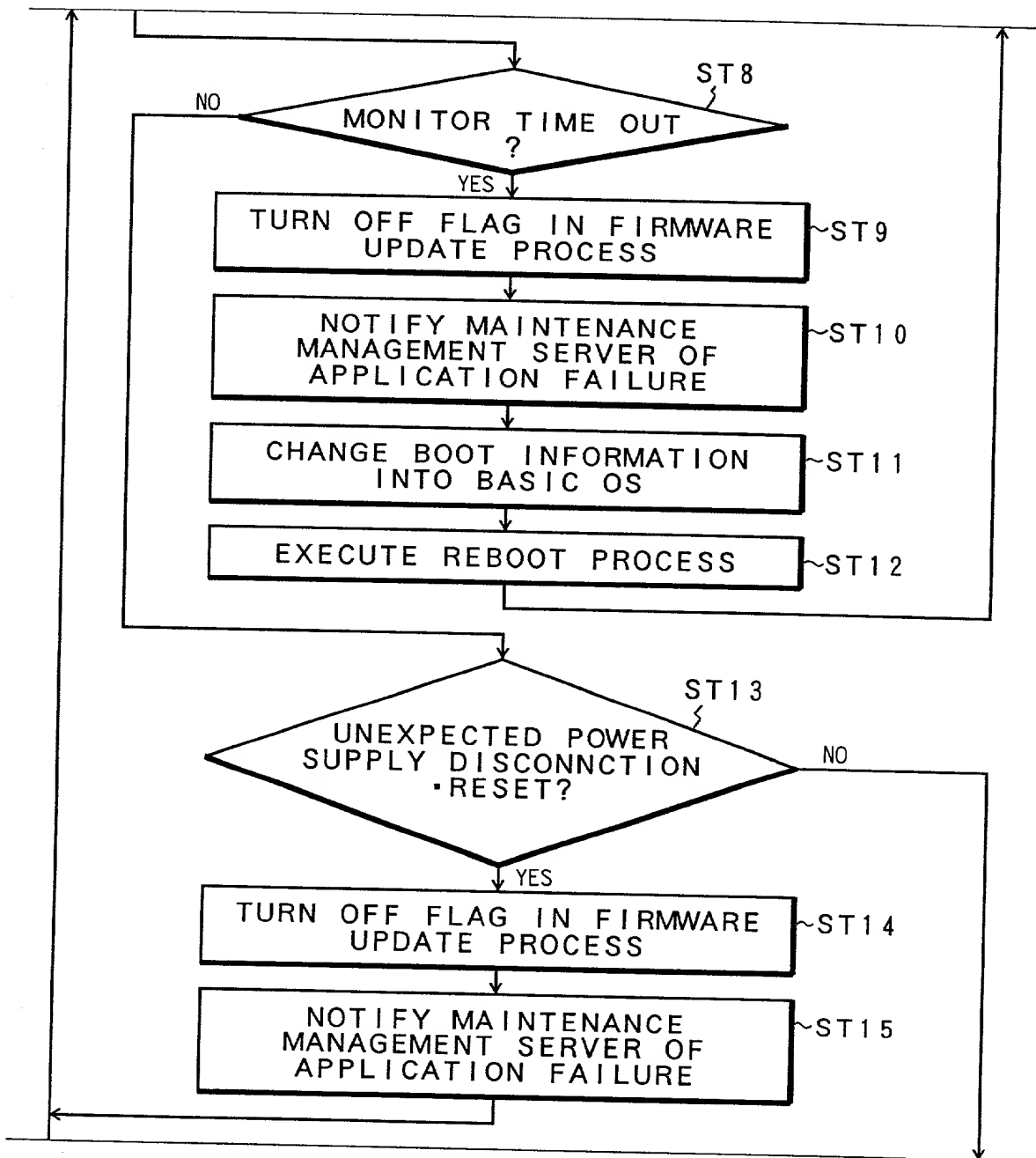


FIG. 10B



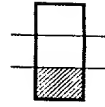


FIG. 10C

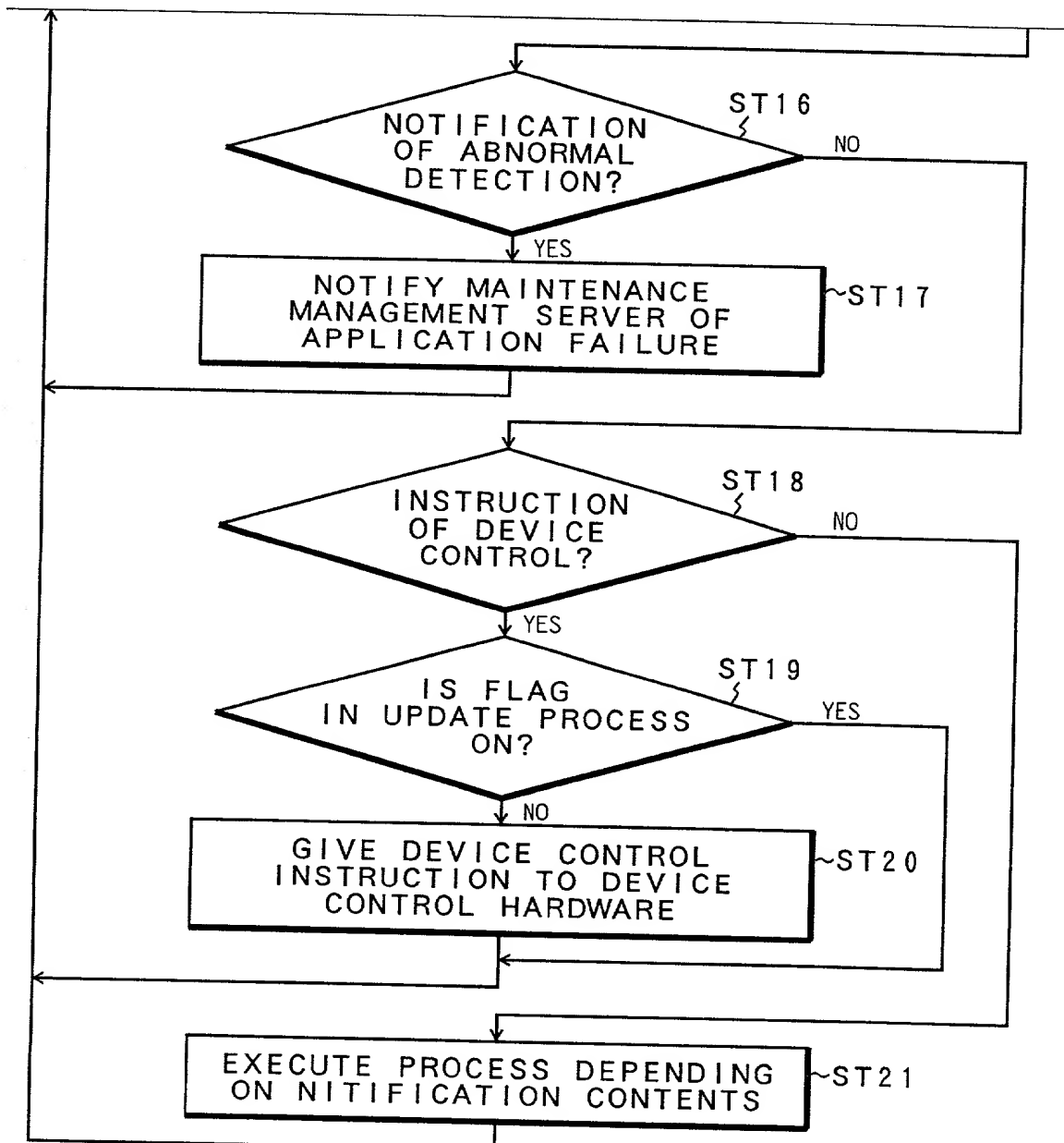




FIG. 11A

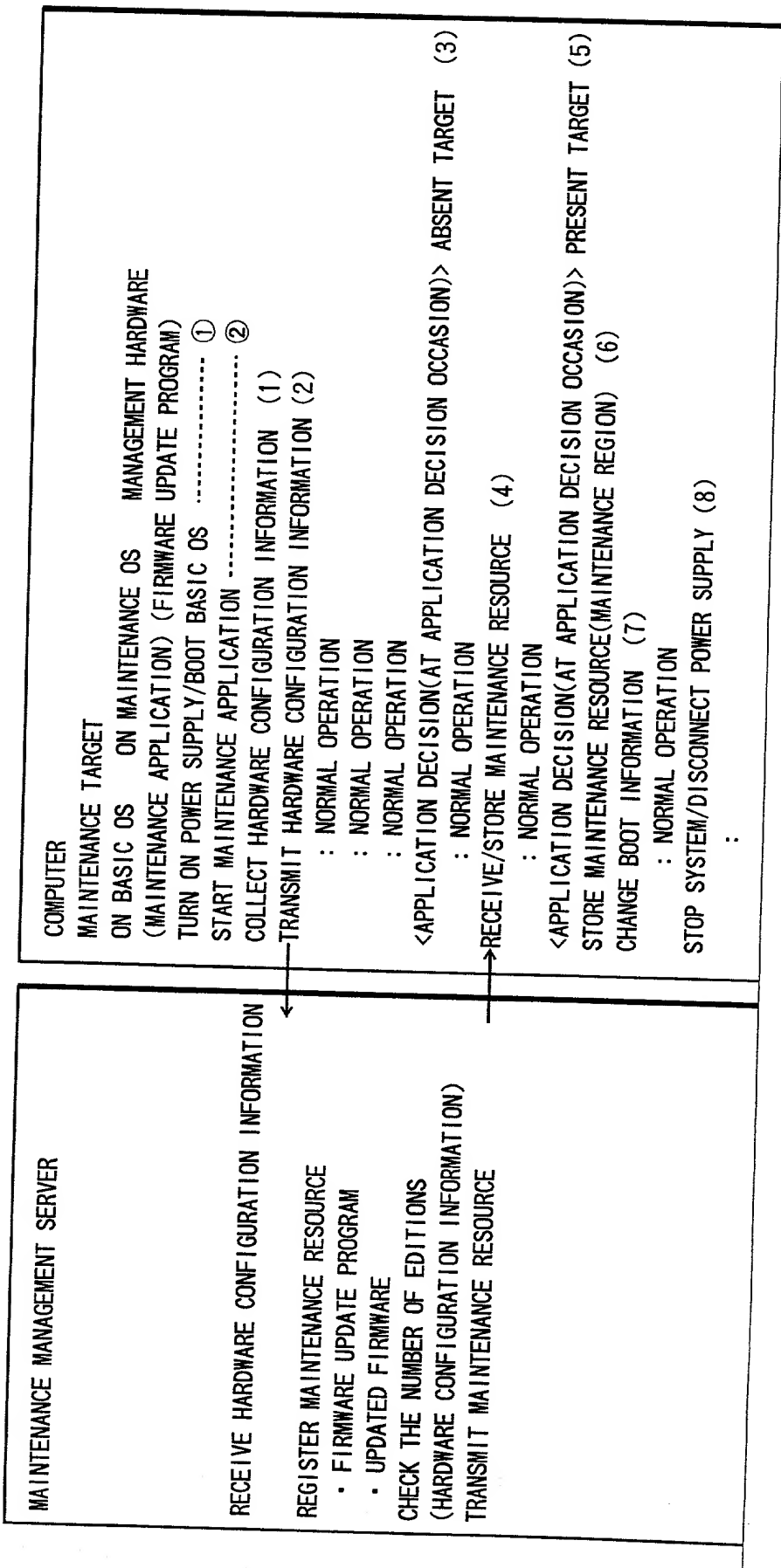


FIG. 11B

TURN ON POWER SUPPLY/BOOT MAINTENANCE OS ③
 START UPDATE PROGRAM ④
 (10) NOTIFY TIME MONITOR → RECEIVE TIME MONITOR
 START MONITOR
 (11) RESTORE BOOT INFORMATION
 (12) NOTIFY TIME MONITOR → RECEIVE TIME MONITOR
 START MONITOR
 (13) CHECK ADEQUACY OF UPDATE FIRMWARE
 (14) NOTIFY TIME MONITOR → RECEIVE TIME MONITOR
 START MONITOR
 (15) SEARCH FOR HARDWARE TO BE UPDATED
 (16) NOTIFY TIME MONITOR → RECEIVE TIME MONITOR
 START MONITOR
 (17) FIRMWARE UPDATE PROCESS
 (18) NOTIFY MONITOR STOP → RECEIVE MONITOR STOP
 STOP MONITOR
 (19) REBOOT
 BOOT BASIC OS ⑤
 START MAINTENANCE APPLICATION ⑥
 :

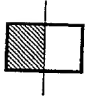


FIG. 12A

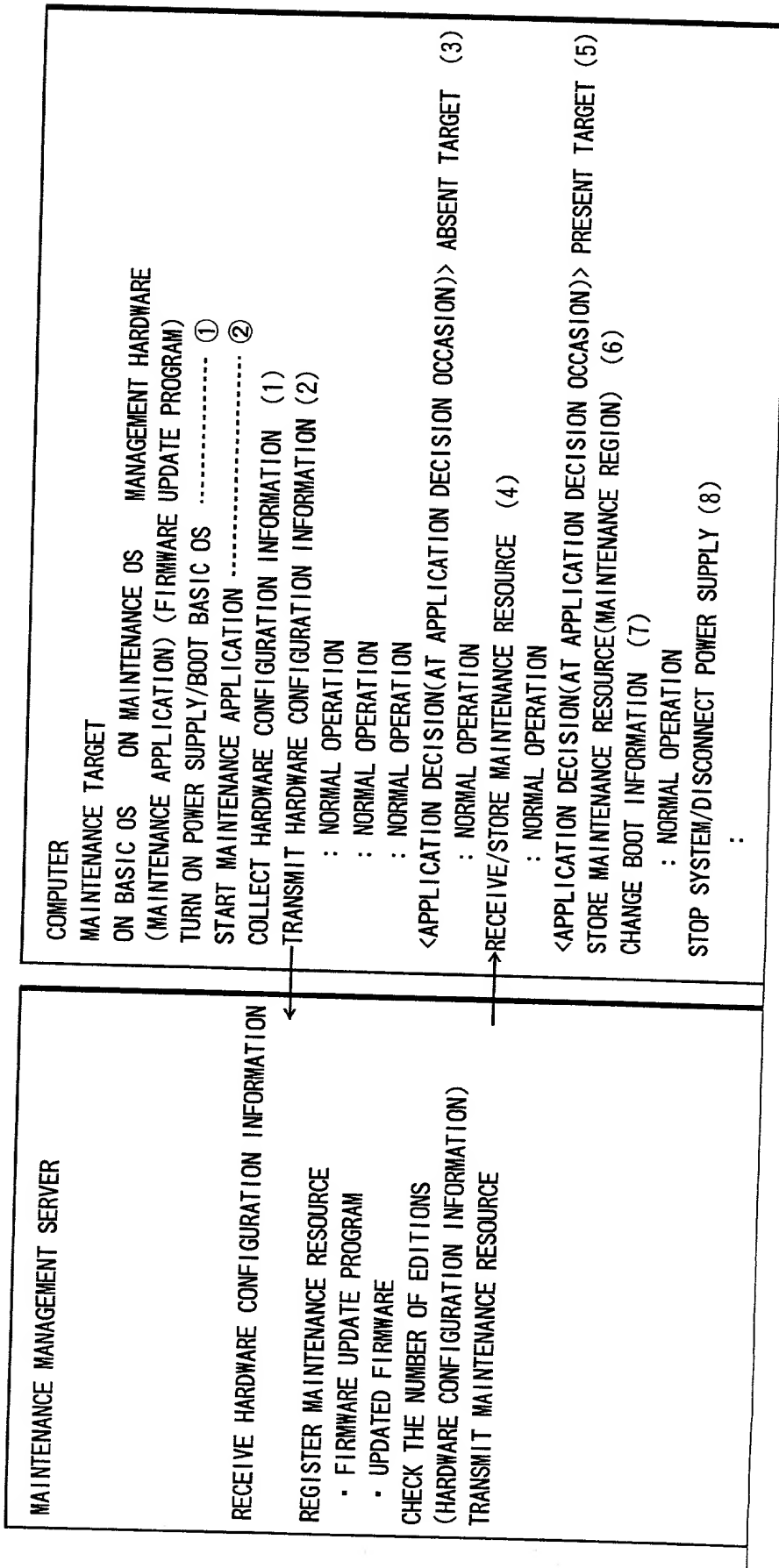


FIG. 12B

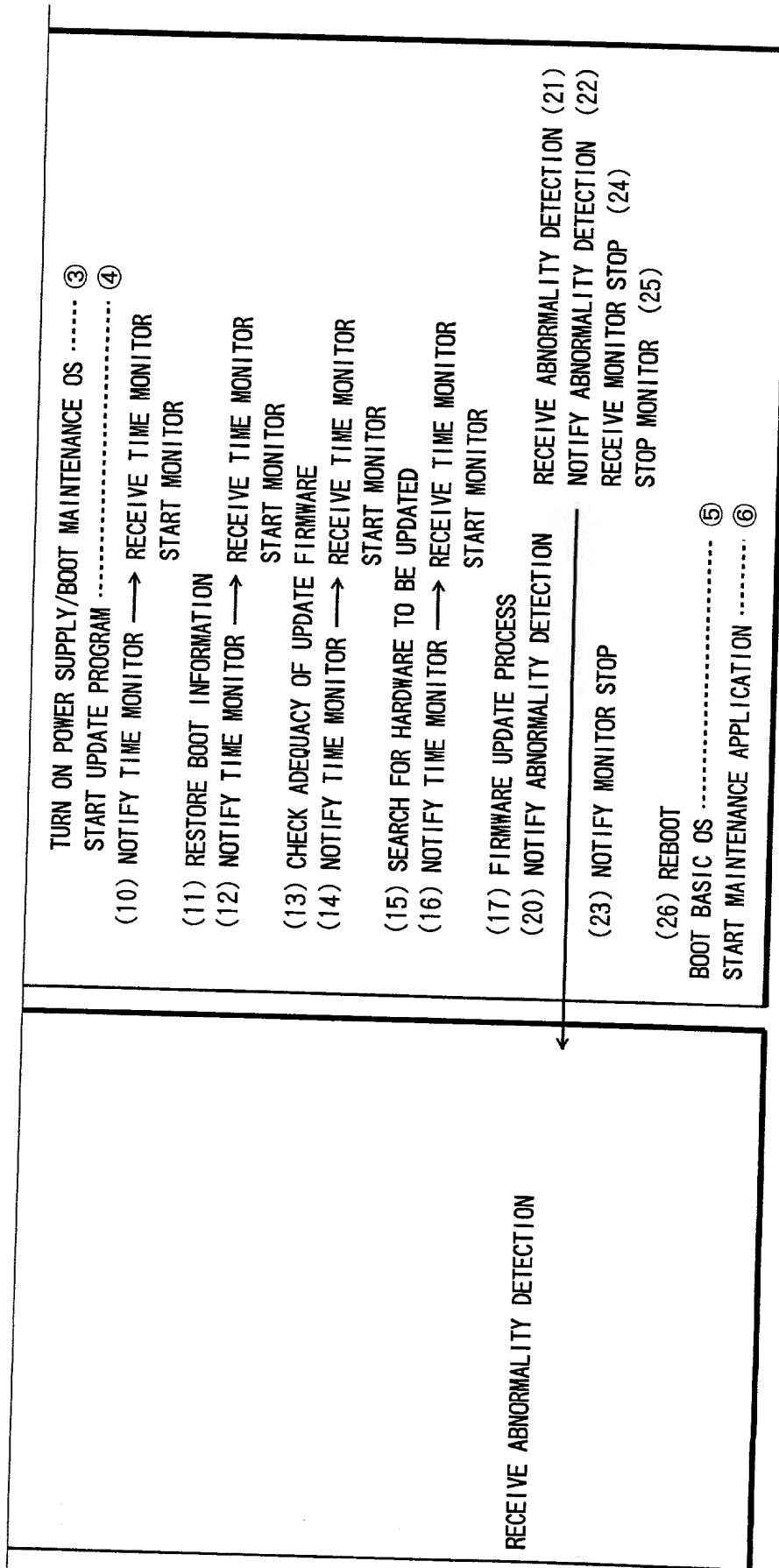




FIG. 13A

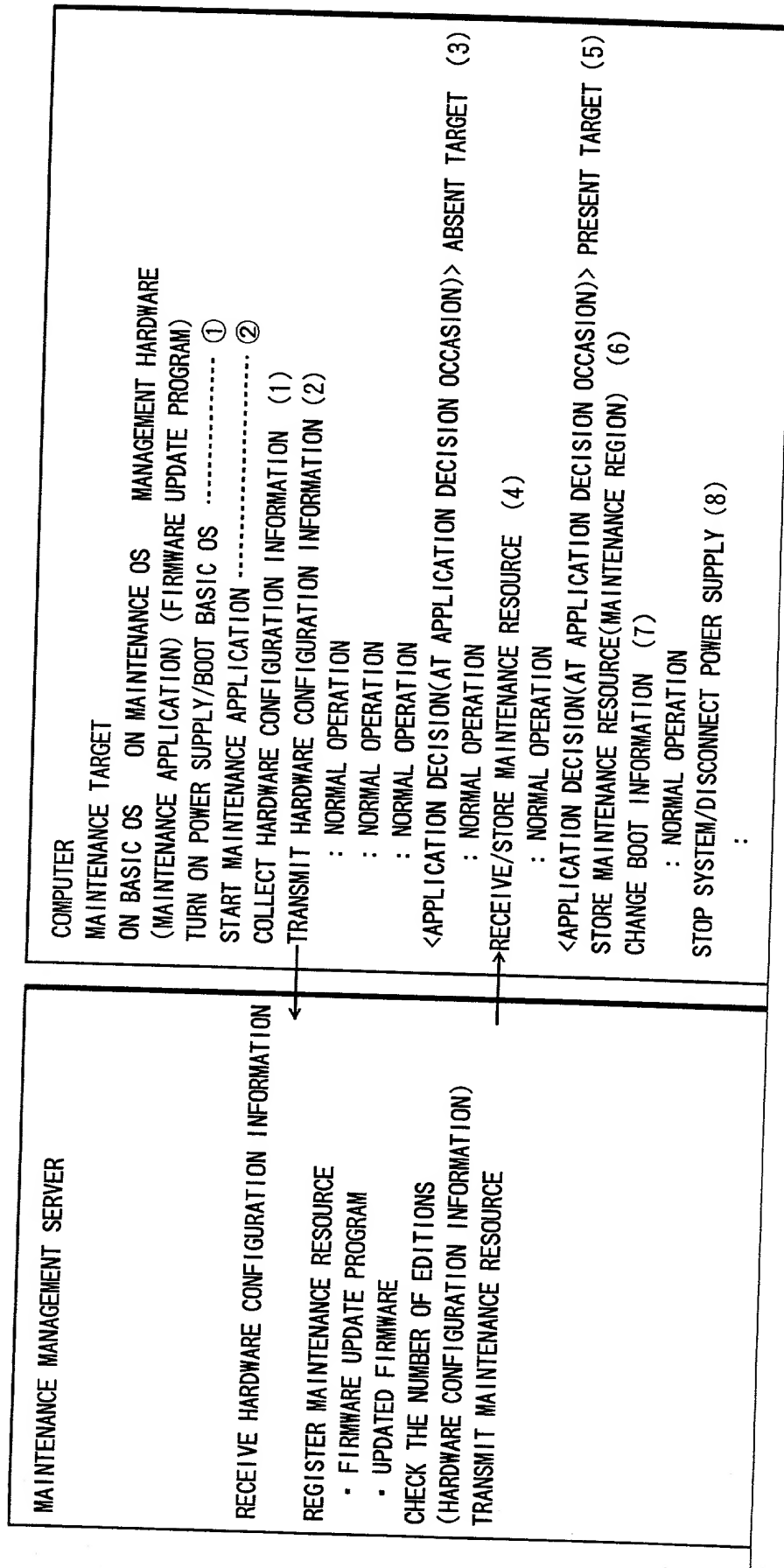




FIG. 13B

